



Sample Specification Text

Torino 100W monocrystalline solar sleeve panel with 22% efficiency. Aluminium frame with flat toughened glass glazing. IP66 and IK09 protection. With 12.8V 307.2Wh integral lithium iron phosphate (LiFePO4) battery and solar charge controller. For -20 °C to +40 °C ambient operating temperatures. Class III.

Electrical

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|--------------------------------------|--|
| Solar Panel Power | 100W / 150W / 200W |
| Solar Panel Type | Monocrystalline |
| Solar Panel Efficiency Rating | 22% |
| Battery Type | Lithium iron phosphate (LiFePO4) |
| Battery Voltage | 12.8V / 307.2Wh (100W) 12.8V / 460.8Wh (150W) 12.8V / 921.6Wh (200W) |
| Charge Time | 6-8 hours (with optimal sunny conditions) |
| Discharge Time | 10-30 hours (using PIR) |
| Electrical Class | Class III |
| Operating Temperature Limit | -20 °C to +40 °C |

Mechanical

| | |
|------------------|---|
| Glazing | Flat toughened glass |
| Housing | Aluminium |
| Colours | Black |
| IP Rating | IP66 |
| IK Rating | IK09 |
| Weight | 11.8kg (100W) 17.2kg (150W) 24kg (200W) |



| Configuration | Panel Power | Charge Controller | Controller Sensor | Battery |
|---------------|-------------|-----------------------------|---|-------------------------------|
| 100 | 100W | Solar Charge Controller 80 | Solar Charge Controller Infrared Sensor | LiFePO4 Battery 12.8V 307.2Wh |
| 150 | 150W | Solar Charge Controller 120 | Solar Charge Controller Infrared Sensor | LiFePO4 Battery 12.8V 460.8Wh |
| 200 | 200W | Solar Charge Controller 160 | Solar Charge Controller Infrared Sensor | LiFePO4 Battery 12.8V 921.6Wh |